

Amendments to the Specification:

Page 7, for the second full paragraph, please substitute the following paragraph:

In addition to conventional optical glass fibers, microstructured photonic fibers, such as photonic crystal fibers, can also be used as non-linear fibers for generating the tunable light pulses, according to the invention. Such fibers have a transverse microstructure in the region of the core. By means of suitably adapting the zero dispersion wavelength, as well as by means of low core diameters, and thereby a high level of non-linearity of such crystal fibers, it is possible to generate widely tunable light pulses according to the invention.